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# NOTICE OF ALLOWANCE AND FEE(S) DUE

2202

7590

03/25/2008

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER

TRIEU, THERESA

ART UNIT PAPER NUMBER

3748 DATE MAILED: 03/25/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,069	06/09/2005	Katsumi Sakitani	4633-0138PUS1	8925

TITLE OF INVENTION: VOLUME EXPANDER AND FLUID MACHINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/25/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents
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appropriate. All further c	orrespondence includin I below or directed oth	g the Patent, advance of	rders and notification of	maintenance fees w	ried). Blocks I through 5 sl vill be mailed to the current and/or (b) indicating a sepa	correspondence address as
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BIRCH STEWA PO BOX 747	7590 03/25/ ART KOLASCH H, VA 22040-0747		ī h	Cert	tificate of Mailing or Trans is Fee(s) Transmittal is being vith sufficient postage for firs Stop ISSUE FEE address FO (571) 273-2885, on the d	mission
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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TRIEU, TH		3748	418-003000			
"Fee Address" indic PTO/SB/47; Rev 03-02 Number is required.  3. ASSIGNEE NAME AN	ss an assignee is identi in 37 CFR 3.11. Comp	' Indication form ed. Use of a Customer a TO BE PRINTED ON	(1) the names of up to agents OR, alternated (2) the name of a sing registered attorney or 2 registered patent atternated (2) the name will be the patent of the patent (print or type data will appear on the transition of the tra	gle firm (having as a agent) and the name corneys or agents. If a printed.  Type)  patent. If an assigned assignment.	member a 2es of up to no name is 3ee is identified below, the de	ocument has been filed for
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4a. The following fee(s) an  ☐ Issue Fee ☐ Publication Fee (No ☐ Advance Order - #	small entity discount p		A check is enclosed.  Payment by credit ca	ard. Form PTO-2038 ov authorized to char	ge the required fee(s), any de	•
1.1	SMALL ENTITY statu	s. See 37 CFR 1.27.		-	LL ENTITY status. See 37 CI	
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requecords of the United State	ired) will not be accepte tes Patent and Trademark	ed from anyone other than c Office.	the applicant; a regi	stered attorney or agent; or th	e assignee or other party in
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10/538,069	06/09/2005	Katsumi Sakitani	4633-0138PUS1	8925
2292 75	90 03/25/2008		EXAM	INER
BIRCH STEWA	RT KOLASCH & BI	TRIEU, THERESA		
PO BOX 747		ART UNIT	PAPER NUMBER	
FALLS CHURCH, VA 22040-0747			3748	
			DATE MAILED: 03/25/2008	

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 190 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 190 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	Application No.	Applicant(s)				
Notice of Allowability	10/538,069	SAKITANI ET AL.				
Notice of Anowability	Examiner	Art Unit				
	Theresa Trieu	3748				
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this ap or other appropriate communicatio IGHTS. This application is subject	oplication. If not included in will be mailed in due course. <b>THIS</b>				
1. 🔀 This communication is responsive to the applicants' amend	dment filed on Jan. 16, 2008.					
2. ☑ The allowed claim(s) is/are <u>1-9</u> .						
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> </ul>	e been received.					
3. ☐ Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •					
International Bureau (PCT Rule 17.2(a)).	currents have been received in this	mational stage application from the				
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAMINER	R'S AMENDMENT or NOTICE OF				
<u> </u>	. , -	alion to deficient.				
5. CORRECTED DRAWINGS (as "replacement sheets") mus		) 049) attached				
(a) ☐ including changes required by the Notice of Dranspers  1) ☐ hereto or 2) ☐ to Paper No./Mail Date	(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		Office action of				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>						
Attachment(s)	e - Nacional Check	Detaut Amuliantiam				
1. Notice of References Cited (PTO-892)	5. Notice of Informal					
<ol> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statements (PTO/SB/08),</li> </ol>	6.	ate				
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit		nent of Reasons for Allowance				
of Biological Material	9. ☐ Other	ient of Reasons for Allowance				
	/Theresa Trieu/ Primary Examiner, Art Un	it 3748				

This Office Action is responsive to the applicants' amendment filed on Jan. 16, 2008.

Claims 10-12 have been canceled. Thus, claims 1-9 are pending in this application.

Election/Restrictions

1. The election of the species of Figures 1-14 filed on March 15, 2007 is acknowledged;

however, rendered moot in view of the allowance of a generic claim. Accordingly, the restriction

requirement mailed on Feb. 15, 2007 is hereby withdrawn. In view of the allowance of the

generic claim 1, non-elected claims 4, 5 and 7 have been rejoined with their base claim 1.

Claims 1-9 are allowed.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance: Applicants'

amendments to the claims and arguments (presented in the Remarks section filed on Aug. 3,

2007, pages 6-7) have overcome the cited prior art.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Communication

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Theresa Trieu whose telephone number is 571-272-4868. The

examiner can normally be reached on Monday-Friday 8:30am- 5:00pm.

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Art Unit: 3748

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas E. Denion can be reached on 571-272-4859. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TT March 17, 2008 /Theresa Trieu/ Primary Examiner, Art Unit 3748